

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-051209

(43)Date of publication of application : 21.02.1990

---

(51)Int.Cl.

H01G 9/02

---

(21)Application number : 63-201756

(71)Applicant : HITACHI CONDENSER CO LTD

(22)Date of filing : 12.08.1988

(72)Inventor : SUGIURA TAKAHITO  
NAGAI RYUTARO

---

### (54) ELECTROLYTE FOR ELECTROLYTIC CAPACITOR

#### (57)Abstract:

PURPOSE: To easily perform melting while reducing production time and contriving the improvement of work by setting saponification of polyvinyl alcohol to a specific range.

CONSTITUTION: Polyatomic alcohol such as ethylene glycol, glyceline, 1,2,4- butadiol, diethylene glycol is used as a solvent. Adipic acid, azelaic acid, sebacic acid, benzoic acid, oxalic acid, butyloctaic acid and the like are used as a solute. Polyvinyl alcohol of saponification of a degree of 60-90% is added as addition agent in a liquid composed of the solvent and the solute to be electrolyte. Thereby, an acetyl group is properly introduced in a polymer to prevent electrostatic combination of hydroxyl groups. As the result, the crystallization of polyvinyl alcohol is remarkably lowered to increase a solution rate for polyatomic alcohol.